

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (canceled)

9. (currently amended) A sample processing apparatus comprising:  
a main unit for processing a sample having at least one processing chamber  
in which the sample is disposed for being processed;

a recording device which records information of an operation executed by the  
main unit as predetermined data;

~~a calculator which calculates and simulates calculating means for calculating~~  
~~and simulating the operation executed by the main unit using the predetermined data~~  
recorded during the operation which was executed by the main unit according to an  
instruction which is given by a user of the sample processing apparatus after the  
operation which was executed by the main unit;

a display which is located remotely from the main unit and displays the  
simulated operation ~~simulated by the calculating means including occurrence of an~~  
abnormality.

10. (currently amended) A sample processing apparatus according to claim  
9, wherein the predetermined data includes the information at a time when ~~an-the~~  
~~abnormality takes place in the sample processing apparatus and the calculator~~  
~~simulates the operation in which said abnormality took place.~~

11. (currently amended) A diagnosis apparatus of a sample processing  
apparatus comprising a recording device which records information of an operation  
executed by the sample processing apparatus for processing a sample through a

communicating device as predetermined data, an input device for inputting a user instruction concerned with the information of the operation after the execution of the operation, and a display located remotely from the sample processing apparatus for displaying a result supplied by a ~~calculator which calculates calculating means for calculating~~ the operation of the sample processing apparatus ~~and~~ for simulating the operation which has been previously executed corresponding to the user instruction, wherein the result includes an occurrence of an abnormality.

12. (currently amended) A diagnosis apparatus of a sample processing apparatus according to claim 11, wherein the predetermined data includes the information at a time when ~~an~~ ~~the~~ abnormality takes place in the sample processing apparatus, ~~and the calculator simulates the executed operation in which the abnormality took place.~~

13. (currently amended) A program for a sample processing apparatus for processing a sample comprising the steps of:

receiving an instruction from an input device given by a user inputting the instruction which is concerned with information of an operation executed by the sample processing apparatus, the information being received from a supplier supplying the information of the executed operation through a communicator and recorded as predetermined data, the instruction being inputted after the operation has been executed by the sample processing apparatus; and

displaying a simulated result supplied by a ~~calculator which calculates calculating means for calculating~~ the operation of the sample processing apparatus and ~~simulates for simulating~~ the previously executed operation according to the instruction, wherein the simulated result includes occurrence of an abnormality.

14. (currently amended) A program for a sample processing apparatus for processing a sample according to claim 13, wherein the predetermined data includes

the information at a time when ~~an~~~~the~~ abnormality takes place in the sample processing apparatus, ~~and the calculator simulates the operation in which the abnormality took place.~~

15. (new) A sample processing apparatus according to claim 10, wherein the display displays information about the abnormality.

16. (new) A diagnosis apparatus of the sample processing apparatus according to claim 12, wherein the display displays information about the abnormality.

17. (new) A program for a sample processing apparatus for processing the sample according to claim 14, wherein the step of displaying includes displaying information about the abnormality.